

Quark-Gluon Vertex under Complete Tensor Basis

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The quark gluon vertex is a fundamental quantity in unquenched QCD, where as the “classical” channel, i.e. the spinor structure of γ_μ is related to strong coupling constants α_s . Higher order loop correlation would introduce other non-perturbative non-classical structures to the 3-pt correlation function of $\langle\psi\bar{\psi}A\rangle$. In this work, we carried out computation under the complete tensor basis to see whether they are non-negligible or not.

Primary author(s) : YANG, Yi-Bo (ITP/CAS); FU, Wei-jie (Dalian University of Technology); Mr 孙, 孙 (Dalian University of Technology)

Presenter(s) : Mr 孙, 孙 (Dalian University of Technology)

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